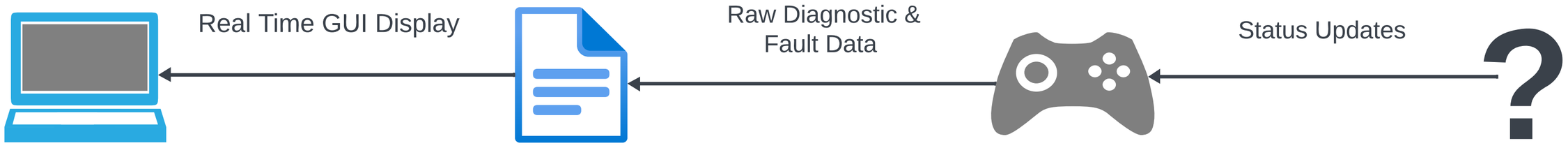

Maintenance Laptop

Varying operating systems

Will run product.

Program window will have real time GUI display

Software Product

Raw Data received from controller will be uploaded to a log file for later access by qualified personell.

Interperetations of raw data will be used to update GUI display.

Product will offer no user control over configuration settings related to connecting to controller.

Product will not be designed to be capable of altering anything related to controller

Product will prioritize ease of use and simplicity rather than complex and multi-featured.

Product will try to avoid the necessity of admin rights and/or IT support for installation and operation.

Controller

Reads Status updates from weapon.

Generates Diagnostic and fault data

sends raw generated data to software product

Weapon

Can be ignored and abstracted for the purposes of this project

Class
+ attribute1:type = defaultValue + attribute2:type - attribute3:type
+ operation1(params):returnType - operation2(params) - operation3()

Controller
int weaponStatus; con *connection; weaponClass *weapon; diagnosticStruct *diagnosticData;

con *connect();
 	
int getWeaponStatus();
 	
void processWeaponStatus();
 	
void generateDiagnostics();
 	
void sendDiagnostics();

1) Is controller integrated directly into weapon?

    - seperate hardware

2) How will information be sent from controller to laptop?

    - serial wired input

3) What kind of data is diagnostic and fault data? i.e. What data types?

    -

4) Specifically what operating systems should we expect on the maintenance laptop?

    - Windows 10-11, (linux if possible)

5) Should we include any alternative languages to accommodate US allies?

    - no